



## PROPOSED SYSTEM FOR LEACH LINES

PRIMARY & RESERVE \_\_\_\_\_

PRIMARY ONLY \_\_\_\_\_

RESERVE ONLY \_\_\_\_\_

OWNER'S NAME: \_\_\_\_\_ APN \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

The calculations below are based on the information from the ADEQ Site Investigation Report and proposed dwelling plans that specify the number of bedrooms and fixture units. The soil application rate is derived from the Arizona Administrative Code R18-9-A312 (D). The system shall be installed in accordance with the following instructions: Design for a single family dwelling.

A. Proposed Single Family Dwelling: Number of Bedrooms \_\_\_\_\_ Fixture Units \_\_\_\_\_ Tank size \_\_\_\_\_ gallons  
Daily Design Flow used \_\_\_\_\_ gpd. *Table for daily flow for a Single Family Dwelling R18-9-A314 (4) (a)*

B. Design flow gpd \_\_\_\_\_ ÷ \_\_\_\_\_ Soil Application Rate = \_\_\_\_\_ Total ft<sup>2</sup> of absorption area

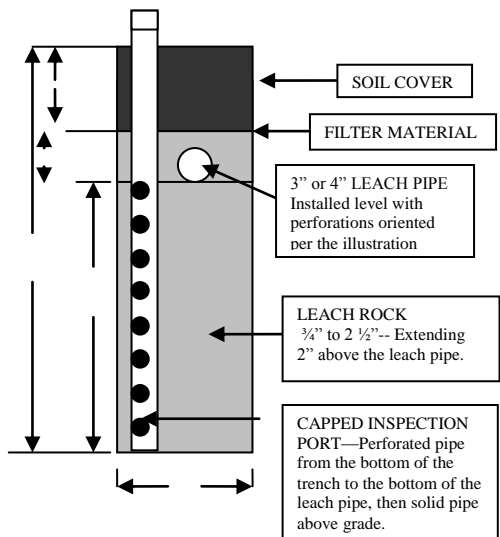
C. Effective depth \_\_\_\_\_ ft x 2 = \_\_\_\_\_ ft + \_\_\_\_\_ ft width of trench = \_\_\_\_\_ the # of ft<sup>2</sup> per lineal foot of trench.

D. Total ft<sup>2</sup> of absorption area \_\_\_\_\_ ÷ \_\_\_\_\_ the # of ft<sup>2</sup> per lineal foot of trench = \_\_\_\_\_ total length of trench (ft)

E. Total length of trench (ft) \_\_\_\_\_ ÷ \_\_\_\_\_ # if trenches = length per trench in ft: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

F. Total depth of trench \_\_\_\_\_ ft. Distance between trenches \_\_\_\_\_ (2x the effective depth or 5ft minimum).

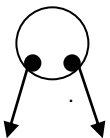
G. When the Reserve SAR and/or the configuration of leach lines is different from the primary then use a separate Proposed Form.



### CROSS SECTION PROFILE OF DISTRIBUTION TRENCH

Designer Name: (print) \_\_\_\_\_

Designer Signature: \_\_\_\_\_ Date: \_\_\_\_\_



- Orientation of the leach pipe perforations are 5:00 and 7:00
- Perforations to be evenly spaced along the pipe.

☐ Type of Filter: \_\_\_\_\_

☐ Risers to Grade: \_\_\_\_\_

☐ Permanent Marker to Grade- Type of marker used: \_\_\_\_\_  
Top of tank or risers to be within 6 inches of grade.